



QUARTERLY GROUNDWATER MONITORING REPORT

Fourth Quarter 2005 (Fourteenth Quarterly)

Sampled on October 31, 2005

Job # SP-150

LOP # 12170

Big Oil & Tire - Glendale BP (Glendale 76)

1497 Glendale Road
Arcata, California 95521

March 29, 2006

This *Quarterly Groundwater Monitoring Report* was prepared by SounPacific staff for Big Oil & Tire Co. (BO&T), using data from previous studies that were conducted by Clearwater Group, Inc. (CGI) and SounPacific Environmental Services (SounPacific) and a review of relevant files at Humboldt County Department of Health and Human Services: Division of Environmental Health (HCDEH). The station is located at 1497 Glendale Road, in Arcata, California (Figure 1).

SITE DESCRIPTION

The subject property consists of a single story building with an attached storage building. Surfaces at Glendale 76 (the Site) consist of concrete, asphalt, gravel, and vegetation. The main structure is positioned in the center of the property with the entrance to the building facing south towards Glendale Road. A second storage building is located next to the eastern property line in the southern portion of the property (Figure 2).

Four (4) 4,000-gallon underground storage tanks (USTs) were located in a single excavation adjacent to the southeast corner of the primary structure, and were previously used for storage of three (3) grades of unleaded gasoline. Two (2) dispensers, which were previously used for dispensing fuel onsite, were located on a cement island adjacent to the entrance of the primary structure. A second cement island was located adjacent to the southern property line. The Site is serviced by public utilities. Surface water flows into storm drains (Figure 2).

SITE TOPOGRAPHY AND LAND USE

The subject property was previously used as a retail gas station and mini-mart. The property is currently vacant. The Site is located approximately 1,200 feet north of the Mad River and approximately 96 feet above mean sea level (amsl). The Site is located in an area of low topographic relief (Figure 1). Surrounding land use in the immediate vicinity is rural with an interspersed of commercial and residential properties. Murphy's Market resides adjacent to the west of the Site. Residential properties lie directly to the east of the Site. Blue Lake Forest Products lies adjacent to the north of the Site. Glendale Road runs adjacent to the southern property line. A commercial storage yard lies directly to the south of the Site, adjacent to the south side of Glendale Road.

SITE HISTORY

Previous studies by Clearwater Group, Inc. (CGI) and SounPacific indicated the following historical information:

1998 CGI Investigation

On January 13, 1998, CGI staff advanced seven (7) soil borings (SB-1 through SB-7) around the perimeter of the USTs and dispenser islands (Figure 3). The investigation took place prior to a facility upgrade during which the Site's four (4) USTs were lined. Soil samples were collected from all borings and laboratory analytical reported elevated concentrations methyl tertiary butyl ether (MTBE) in boring SB-3 (Table 1), located adjacent to the north of the USTs. Groundwater

samples were collected from borings SB-1 through SB-4 only, as borings SB-5 through SB-7 were advanced to a depth of only 2.5 feet bgs and groundwater wasn't encountered. Concentrations of Total Petroleum Hydrocarbons as gasoline (TPHg), benzene, toluene, xylenes, ethylbenzene (BTXE), and MTBE were detected in all groundwater samples, with the most elevated concentrations being from boring SB-3 (Table 2). Following this investigation, in a letter dated March 24, 1998, HCDEH requested a workplan to determine the extent of soil and groundwater contamination at the Site.

2002 Subsurface Investigation (SounPacific)

During April 2002, SounPacific performed a subsurface investigation at Glendale 76, in accordance with the CGI *Subsurface Investigation Workplan*, dated February 16, 1999, and the SounPacific *Subsurface Investigation Workplan Addendum*, dated December 1, 2001. The investigation consisted of advancing nine (9) soil borings (B-8 through B-12, and MW-1 through MW-4) (Figure 3). Four (4) monitoring wells were installed in the same positions as borings MW-1 through MW-4. Laboratory analytical reported minimal hydrocarbon concentrations in the soils from borings B-10, B-12, and MW-1 (Table 1). However, elevated concentrations of TPHg, BTXE, MTBE, and TAME were detected in groundwater samples, particularly from borings B-10 and B-11 (Table 2), which were located to the south of the USTs. After the investigation, in a letter dated February 7, 2003, HCDEH requested a Work Plan to investigate the downgradient extent of MTBE in the groundwater and evaluate the source of contamination onsite. In a following letter, dated October 8, 2003, HCDEH stated that they had been notified of UST removal activities to occur at Glendale 76. HCDEH recommended that during the tank removal activities, obviously contaminated soil be removed, and following the removal activities a Work Plan be prepared to investigate soil and groundwater contamination downgradient of monitoring well MW-1 and boring B-12.

2004 UST Removal (SounPacific)

On October 27th, 2004, Beacom Construction (Beacom) removed the Site's four (4) gasoline USTs. Following the removal of the USTs, eight (8) soil samples were collected from UST pit at opposite ends of each UST, along with two (2) soil samples from the east and west sidewalls of the excavation. Laboratory analytical reported elevated concentrations of TPHg and BTXE in

samples 2S, 4N, and 4S (Table 1). In addition, elevated concentrations of TPHd were also detected in soil sample 2S. On August 30, 2005, SounPacific submitted a *Subsurface Investigation Workplan and UST Removal Report*, wherein SounPacific proposed additional subsurface investigation with soil borings located around the UST excavation, the product delivery piping and the dispenser island. In addition, hand-auger borings were to be installed horizontally within the UST excavation sidewalls. HCDEH concurred with the scope of the proposed investigation in a letter dated September 9, 2005.

2005 Subsurface Investigation (SounPacific)

In September and October 2005, SounPacific performed a subsurface investigation at Glendale 76, in accordance with the *Subsurface Investigation Workplan and UST Removal Report*, dated August 30, 2005. The investigation was conducted in three phases, and documented in a *Report of Findings*, dated March 27, 2006. The initial phase was conducted on September 28, 2005, and involved the hand-augured six (6) horizontal borings from the sidewalls of the underground storage tank (UST) excavation pit. Soil analytical results indicated elevated hydrocarbon concentrations on the north and south sidewalls, which were the walls that were adjacent to both ends of the former USTs. TPHg was detected at the highest concentration (810 parts per million (ppm)) at a horizontal depth of one (1) foot into the southeast sidewall. TPHd was detected at the highest concentration (160 ppm) at a horizontal depth of three (3) feet into the northwest sidewall. The second phase on October 5, 2005, eight (8) samples were collected in the vicinity of the dispenser islands and the piping runs at depths of 1.5 feet and two (2) feet bgs. Soil analytical results indicated that release(s) had occurred from the associated piping and/or piping trenches and could have been acting as a preferential pathway for dissolved phase hydrocarbon migration. The final phase was conducted on October 11, 2005, and consisted of the drilling and sampling of eight (8) direct-push borings around the estimated perimeter of the upcoming excavation to delineate the extent of the excavation. Soil analytical results from samples collected to a maximum depth of 12 feet bgs indicated that the extent of the upcoming excavation would include the area south of the UST excavation extending south to the southern dispenser island, including the area surrounding both former dispenser islands. TPHg (4,740 ppm), benzene, toluene, xylenes, ethylbenzene (BTXE) (1,224.9 ppm), methyl tertiary butyl ether (MTBE) (128 ppm), and tertiary amyl methyl ether (TAME) (20.3 ppm) were detected at

the highest concentrations at a depth of four (4) feet bgs adjacent to the southwest corner sidewall of the UST pit.

In addition, grab groundwater samples were collected from two of the borings (eastern boring PB-11 and western boring PB-18) drilled at the Site. Groundwater analysis did not report any TPHg or BTEX, however, MTBE (PB-11, 21.2 ppb and PB-18, 5.7 ppb) and TAME (PB-11, 3.4 ppb and PB-18, 5.7 ppb) were reported in the groundwater samples. TPHd and TPH as motor oil (TPHmo) were also detected in these borings.

2005 Soil Excavation

During November 8-11, 2005, SounPacific supervised the excavation and removal of the TPHg contaminated soil that had been identified during subsurface investigations at the Site and the removal of the USTs. Using a TPHg clean-up standard of 100 ppm (certified laboratory data) and a field screening standard of 300 ppm with a PID field reading, the contaminated soil was excavated and removed from the Site. Once field screening indicated that the clean-up standard had been achieved, seven (7) sidewall soil samples were collected at various locations around the perimeter of the excavation and one (1) soil sample was collected from the excavation bottom. Laboratory analysis of all confirmation samples indicated that the clean-up standard had been met, and no further excavation was necessary to achieve remedial goals. A total of 335.34 tons (approximately 450 cubic yards) of petroleum-impacted soil was excavated and shipped to Bio Industries in Red Bluff, California for disposal. The excavation was documented in a *Report of Findings*, dated March 27, 2006.

RESULTS OF QUARTERLY SAMPLING

Under the approval of HCDEH, SounPacific is conducting quarterly groundwater monitoring until further notice. Quarterly water level data is used to input into a three-point gradient problem to generate a two-dimensional groundwater elevation contour diagram and calculate groundwater flow direction. Quarterly sampling events monitor the fluctuation of hydrocarbon contamination levels present in the groundwater beneath the Site. Monitoring wells were gauged and sampled on

October 31, 2005.

FIELD DATA

Wells gauged: MW-1, 2, 3, and 4

Groundwater: Depth to GW ranged from 13.47 to 14.01 feet btc (Table 3)
Ranged from 82.44 to 82.76 feet above mean sea level (Table 3)

Floating product: No floating product detected

GW flow direction: S (Figure 4)

GW Gradient: 0.004 feet per foot (Figure 4)

On October 31, 2005, the depth to groundwater in the Site's four (4) monitoring wells ranged from 13.47 feet below top of casing (btc) in well MW-3 to 14.01 feet btc in MW-2. When corrected to mean sea level, water level elevations ranged from 82.44 feet above mean sea level (amsl) in MW-2 to 82.76 feet amsl in MW-4. Groundwater levels for the October 31, 2005 monitoring event, along with historical levels and elevations are included in Table 3. Groundwater flow was towards the south with a gradient of 0.004 feet per foot. The groundwater flow and gradient are graphically depicted in Figure 4. Prior to sampling, all wells were purged; the groundwater field parameters for each well are presented below.

MONITORING WELL MW-1 GROUNDWATER FIELD PARAMETERS

Time	Total Vol. Removed/ gal	pH	Temp./ F	Cond./ ms(cm)⁻¹
12:16	0	6.01	62.71	0.160
12:22	0.85	5.82	61.64	0.155
12:27	1.7	5.94	62.05	0.152
12:32	2.55	5.93	62.24	0.153

MONITORING WELL MW-2 GROUNDWATER FIELD PARAMETERS

Time	Total Vol.	pH	Temp./ F	Cond./ ms(cm)⁻¹
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	Removed/ gal			
11:47	0	6.84	64.37	0.144
11:55	0.8	6.48	64.19	0.146
11:59	1.6	6.31	64.02	0.144
12:03	2.4	5.98	63.65	0.145

MONITORING WELL MW-3 GROUNDWATER FIELD PARAMETERS

Time	Total Vol. Removed/ gal	pH	Temp./ F	Cond./ ms(cm) ⁻¹
1:20	0	6.32	62.59	0.011
1:29	0.95	5.88	61.93	0.063
1:34	1.9	5.72	62.28	0.083
1:38	2.85	5.46	62.24	0.083

MONITORING WELL MW-4 GROUNDWATER FIELD PARAMETERS

Time	Total Vol. Removed/ gal	pH	Temp./ F	Cond./ ms(cm) ⁻¹
12:48	0	6.32	60.57	0.147
12:56	0.95	6.23	61.09	0.137
1:01	1.9	6.31	61.04	0.133
1:05	2.85	6.35	61.24	0.136

ANALYTICAL RESULTS

Sampling locations: MW-1, 2, 3, and 4

Analyses performed: TPHg, BTXE, MTBE, DIPE, TAME, ETBE, TBA, TPHd, TPHmo

Laboratories Used: Basic Laboratory, Inc, Redding California (ELAP Cert #1677)

The analytical results for the current monitoring event are presented below and graphically depicted in Figure 5. The laboratory report is included as Appendix A. The historical analytical results for all monitoring wells, since the implementation of groundwater monitoring are included as Table 4.

	<u>MW-1</u> (ppb)	<u>MW-2</u> (ppb)	<u>MW-3</u> (ppb)	<u>MW-4</u> (ppb)
TPHg:	ND < 60	ND < 60	247	96.9
Benzene:	ND < 0.5	ND < 0.5	1.3	1.0
Toluene:	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
Xylenes:	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Ethylbenzene:	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
MTBE:	19.2	32.3	52.0	25.2
DIPE:	----	----	----	ND < 0.5
TAME:	----	----	----	3.2
ETBE:	----	----	----	ND < 0.5
TBA:	----	----	----	ND < 50.0
TPHd:	ND < 50	ND < 50	ND < 50	56
TPHmo:	121	115	73	80

(ND = non-detectable)

(---- = analysis omitted)

COMMENTS AND RECOMMENDATIONS

On October 31, 2005, the *14th Groundwater Monitoring Event* since the well installation and initial sampling of the Site's four (4) groundwater monitoring wells in May 2002, was conducted at the Glendale 76 property at 1497 Glendale Road, California. A summary of the results are

presented below.

- The depth to groundwater in the four wells onsite wells ranged between 13.47 feet btoc (MW-3) to 14.01 feet btoc (MW-2). Groundwater flow was towards the south-southwest at a gradient of 0.005 feet per foot.
- Groundwater samples from the Site's four wells (MW-1 through MW-4) were collected and analyzed for TPHg, BTXE, MTBE, TPHd, and TPHmo. The sample from well MW-4 was also analyzed for five (5) fuel oxygenates. Laboratory analysis did not report any TPHg or BTEX in the samples from wells MW-1 and MW-2. In wells MW-3 and MW-4 TPHg and benzene was reported, with TPHg at concentrations of 247 ppb (MW-3) and 96.9 ppb (MW-4), and benzene at concentrations of 1.3 ppb (MW-3) and 1.0 ppb (MW-4). No toluene, ethylbenzene, or xylenes were reported in any of the wells. Of the fuel oxygenates, MTBE was reported in all four wells at concentrations ranging between 19.2 ppb (MW-1) and 52 ppb (MW-3) and TAME was reported in well MW-4 at concentration of 3.2 ppb. No other fuel oxygenates were reported. Laboratory analysis also reported TPHd in MW-4 at a concentration of 56 ppb. TPHmo was reported in all wells at concentrations ranging between 73 ppb (MW-3) and 121 ppb (MW-1).

Based upon these results the following observations and conclusions have been made.

- Detectable levels of TPHg in well MW-1 have been reported during seven out of the Sites fifteen sampling events. TPHg has been reported in well MW-2 during ten out of fifteen sampling events. TPHg has consistently been reported in wells MW-3 and MW-4, with concentrations fluctuating over time. See Figures 6 through 9.
- Since the implementation of groundwater monitoring, BTXE has been reported during different monitoring events in all wells. BTXE levels in well MW-1 have been inconsistent, but when present, the levels have been low. Monitoring well MW-2 reported the presence of BTXE during the fourth quarter 2004 for the first time since the first quarter 2003. BTXE has consistently been reported in wells MW-3 and MW-4, with

concentrations fluctuating over time. See Figures 6 through 9.

- MTBE is the only fuel oxygenate that is analyzed in monitoring wells MW-1 through MW-3. MTBE was present in all wells during the last monitoring event, and has consistently been present since the inception of groundwater monitoring. In general, there has been a general decrease in MTBE levels in all wells over time. See Figures 6 through 9.
- DIPE and ETBE have not been reported in any wells since the inception of the monitoring.
- TAME was only analyzed in well MW-4 during the last monitoring event, and has consistently been present since the inception of groundwater monitoring. Over time, concentrations of TAME have generally reported a decrease in levels since the inception of the monitoring in wells MW-1, MW-2, and MW-3.
- TBA was only analyzed in well MW-4 during the last monitoring event. TBA was not reported in any of the Site's wells during the initial monitoring events. However, since January 2003, TBA has been reported approximately 30% of the time, with the highest concentrations being reported in monitoring well MW-4. TBA levels have decreased in well MW-4 since the last quarterly sampling event.
- Laboratory analytical has reported TPHd four times in well MW-1, twice in well MW-2, and six times in well MW-3 since the inception of the monitoring program. TPHd has been consistently reported in well MW-4, with concentrations fluctuating over time. Overall, TPHd concentrations seem to be decreasing at this site.
- TPHmo was reported in all wells for the fourth time since the inception of the monitoring in the recent sampling event, due to the decreased reporting limit.

Based on the results of the October 2005 monitoring event and historical results, the following

future activities are proposed.

- Groundwater monitoring will be continued until further notice. Groundwater level measurements will be collected from the Site's monitoring wells to determine groundwater flow direction and gradient. Collected groundwater samples will be analyzed for TPHg, TPHd, TPHmo, BTXE, and five (5) fuel oxygenates/additives.
- SounPacific has prepared and submitted a report documenting the recent site investigation and the excavation of petroleum hydrocarbon contaminated soils. Based on the findings of the Site investigation further delineation of the groundwater contamination will be required, that will involve the installation of additional groundwater monitoring wells. Any new groundwater monitoring wells will be incorporated into the ongoing groundwater monitoring program.

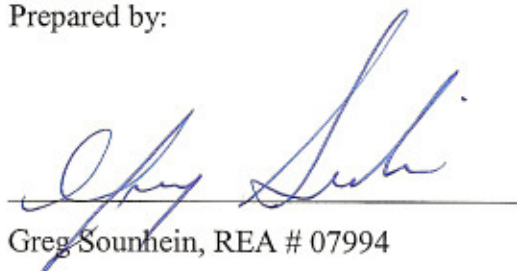
CERTIFICATION

This report was prepared under the direct supervision of a California registered geologist at SounPacific. All information provided in this report including statements, conclusions and recommendations are based solely upon field observations and analyses performed by a state-certified laboratory. SounPacific is not responsible for laboratory errors.

SounPacific promises to perform all its work in a manner that is currently used by members in similar professions working in the same geographic area. SounPacific will do what ever is reasonable to ensure that data collection is accurate. Please note however, that rain, buried utilities, and other factors can influence groundwater depths, directions and other factors beyond what SounPacific could reasonably determine.

SounPacific

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ATTACHMENTS

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Tables & Chart

Table 1
Soil Analytical Results
 Glendale 76
 1497 Glendale Road
 Arcata, California 95521

Sample ID	Sample Location	Sample Date	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Xylenes (ppm)	Ethylbenzene (ppm)	MTBE (ppm)	DIPE (ppm)	TAME (ppm)	ETBE (ppm)	TBA (ppm)	TPHd (ppm)	Lead (ppm)
SB-1	SB-1 @ 8.5	1/13/1998	ND < 5	0.07	ND < 0.03	ND < 0.03	ND < 0.03	0.4	----	----	----	----	ND < 1	----
SB-2	SB-2 @ 9.5	1/13/1998	ND < 5	ND < 0.03	ND < 0.03	ND < 0.03	ND < 0.03	ND < 0.3	----	----	----	----	ND < 1	----
SB-3	SB-3 @ 9.5	1/13/1998	ND < 20	0.6	0.5	0.6	0.4	17	----	----	----	----	ND < 1	----
SB-4	SB-4 @ 2.5	1/13/1998	ND < 1	0.065	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	----	----	----	----	ND < 1	----
SB-4	SB-4 @ 9.5	1/13/1998	ND < 2	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	0.2	----	----	----	----	ND < 1	----
SB-5	SB-5 @ 2.5	1/13/1998	ND < 5	ND < 0.03	ND < 0.03	ND < 0.03	ND < 0.03	ND < 0.3	----	----	----	----	4	----
SB-6	SB-6 @ 2.5	1/13/1998	ND < 5	ND < 0.03	ND < 0.03	ND < 0.03	ND < 0.03	ND < 0.3	----	----	----	----	3	----
SB-7	SB-7 @ 2.5	1/13/1998	ND < 1	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	----	----	----	----	ND < 1	----
B-8	SB-8 @ 4'	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
B-8	SB-8 @ 8'	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
B-8	SB-8 @ 12'	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
B-8	SB-8 @ 16'	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
B-9	SB-9 @ 4'	4/24/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	0.12
B-9	SB-9 @ 8'	4/24/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
B-9	SB-9 @ 12'	4/24/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
B-9	SB-9 @ 16'	4/24/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
B-10	SB-10 @ 4'	4/25/2002	ND < 1	0.014	ND < 0.002	ND < 0.006	0.003	0.528	ND < 0.005	0.064	ND < 0.005	ND < 0.02	----	ND < 0.10
B-10	SB-10 @ 8'	4/25/2002	2	0.011	ND < 0.002	ND < 0.006	0.018	1.58	ND < 0.005	0.216	ND < 0.005	ND < 0.02	----	ND < 0.10
B-10	SB-10 @ 12'	4/25/2002	4	0.11	0.021	0.156	0.055	2.11	ND < 0.005	0.292	ND < 0.005	ND < 0.02	----	ND < 0.10
B-10	SB-10 @ 16'	4/25/2002	4	0.086	0.314	0.204	0.058	1.1	ND < 0.005	0.156	ND < 0.005	ND < 0.02	----	ND < 0.10
B-11	SB-11 @ 4'	4/24/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
B-11	SB-11 @ 8'	4/24/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
B-11	SB-11 @ 12'	4/24/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
B-11	SB-11 @ 16'	4/24/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
B-12	SB-12 @ 4'	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	0.006	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
B-12	SB-12 @ 8'	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	0.074	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
B-12	SB-12 @ 12'	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	0.148	ND < 0.005	0.017	ND < 0.005	ND < 0.02	----	ND < 0.10
B-12	SB-12 @ 16'	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	0.051	ND < 0.005	0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
MW-1	MWSB-1 @ 4'	4/26/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	0.141	ND < 0.005	0.009	ND < 0.005	ND < 0.02	----	ND < 0.10
MW-1	MWSB-1 @ 8'	4/26/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	0.16	ND < 0.005	0.013	ND < 0.005	ND < 0.02	----	ND < 0.10
MW-1	MWSB-1 @ 12'	4/26/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	0.744	ND < 0.005	0.114	ND < 0.005	ND < 0.02	----	ND < 0.10

Table 1 (cont.)
Soil Analytical Results
 Glendale 76
 1497 Glendale Road
 Arcata, California 95521

Sample ID	Sample Location	Sample Date	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Xylenes (ppm)	Ethylbenzene (ppm)	MTBE (ppm)	DIPE (ppm)	TAME (ppm)	ETBE (ppm)	TBA (ppm)	TPHd (ppm)	Lead (ppm)
MW-2	MWSB-2 @ 4'	4/26/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
MW-2	MWSB-2 @ 8'	4/26/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	0.006	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
MW-2	MWSB-2 @ 12'	4/26/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	0.034	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
MW-3	MWSB-3 @ 4'	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
MW-3	MWSB-3 @ 8'	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
MW-3	MWSB-3 @ 12'	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
MW-4	MWSB-4 @ 4'	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
MW-4	MWSB-4 @ 8'	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
MW-4	MWSB-4 @ 12'	4/25/2002	2	0.104	0.07	0.454	0.037	0.618	ND < 0.005	0.055	ND < 0.005	0.436	----	ND < 0.10
1N	UST PIT @ 11'	10/27/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	0.055	ND < 0.005	0.014	ND < 0.005	ND < 0.050	ND < 1.0	----
1S	UST PIT @ 11'	10/27/2004	ND < 1.0	0.011	ND < 0.005	ND < 0.015	ND < 0.005	0.091	ND < 0.005	0.017	ND < 0.005	ND < 0.050	4.3	----
2N	UST PIT @ 11'	10/27/2004	ND < 1.3	0.054	0.093	0.176	0.043	0.50	ND < 0.013	0.17	ND < 0.013	ND < 0.13	3.5	----
2S	UST PIT @ 11'	10/27/2004	900	ND < 1.0	ND < 1.0	21	9.3	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 10	120*	----
3N	UST PIT @ 11'	10/27/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	0.043	ND < 0.005	0.016	ND < 0.005	ND < 0.050	3.3	----
3S	UST PIT @ 11'	10/27/2004	18	0.035	ND < 0.025	0.23	0.095	0.24	ND < 0.025	0.079	ND < 0.025	ND < 0.25	3.9	----
4N	UST PIT @ 11'	10/27/2004	320	2.5	18	37	7.2	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 5.0	14*	----
4S	UST PIT @ 11'	10/27/2004	600	ND < 0.50	3.2	53	11	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 5.0	13*	----
SW-W	UST PIT @ 6'	10/27/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	0.046	ND < 0.005	0.011	ND < 0.005	ND < 0.050	ND < 1.0	----
SW-S	UST PIT @ 6'	10/27/2004	ND < 1.0	ND < 0.005	ND < 0.005	0.024	0.006	0.072	ND < 0.005	0.017	ND < 0.005	ND < 0.050	1.8	----

notes:

TPHg: Total petroleum hydrocarbons as gasoline.

MTBE: Methyl tertiary butyl ether

DIPE: Diisopropyl ether

TAME: Tertiary amyl methyl ether

ETBE: Ethyl tertiary butyl ether

TBA: Tertiary butanol

TPHd: Total petroleum hydrocarbons as diesel.

ppm: parts per million = µg/g = mg/kg = 1000 µg/kg

ND: Not detected. Sample was detected below the method detection limit as shown.

* : The sample chromatograph does not match the standard diesel chromatogram. All peaks were integrated within the diesel range. The result is an estimated value.

Table 2
Groundwater Analytical Results
 Glendale 76
 1497 Glendale Road
 Arcata, California 95521

Sample ID	Sample Location	Sample Date	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Xylenes (ppb)	Ethylbenzene (ppb)	MTBE (ppb)	DIPE (ppb)	TAME (ppb)	ETBE (ppb)	TBA (ppb)	TPHd (ppb)
SB-1	SB-1-GW	1/13/1998	210	27	8.3	6	1.3	100	----	----	----	----	50
SB-2	SB-2-GW	1/13/1998	290	1.4	ND < 0.5	ND < 0.5	ND < 0.5	590	----	----	----	----	100
SB-3	SB-3-GW	1/13/1998	79,000	1,400	4,300	21,000	4,600	20,000	----	----	----	----	ND < 200
SB-4	SB-4-GW	1/13/1998	1,400	11	20	40	8	2,000	----	----	----	----	ND < 50
B-8	SBGW-8 @ 16'	4/25/2002	ND < 50	ND < 0.3	ND < 0.3	ND < 0.6	ND < 0.3	42.9	ND < 0.5	8.6	ND < 0.5	ND < 100	----
B-9	SBGW-9 @ 16'	4/24/2002	152	1.9	ND < 0.3	ND < 0.6	ND < 0.3	50	ND < 0.5	ND < 0.5	ND < 0.5	ND < 50	----
B-10	SBGW-10 @ 16'	4/25/2002	150,000	13,700	43,400	10,600	2,100	198,000	ND < 50	33,300	ND < 50	ND < 1,000	----
B-11	SBGW-11 @ 16'	4/24/2002	20,700	2,090	7.4	171	9.9	29,000	ND < 0.5	6,710	ND < 0.5	ND < 50	----
B-12	SBGW-12 @ 16'	4/25/2002	978	10.1	0.4	1.8	ND < 0.3	1,470	ND < 0.5	169	ND < 0.5	ND < 100	----

notes:

TPHg: Total petroleum hydrocarbons as gasoline.

MTBE: Methyl tertiary butyl ether

DIPE: Diisopropyl ether

TAME: Tertiary amyl methyl ether

ETBE: Ethyl tertiary butyl ether

TPHmo: Total petroleum hydrocarbons as motor oil.

TBA: Tertiary butanol

TPHd: Total petroleum hydrocarbons as diesel.

ppb: parts per billion = µg/l = .001 mg/l = 0.001 ppm.

ND: Not detected. Sample was detected below the method detection limit as shown.

Table 3
Water Levels
 Glendale 76
 1497 Glendale Road
 Arcata, California 95521

Sample Location	Date	Depth to Bottom/ Feet BTOC	Survey Height/ Feet AMSL	Depth to Water/ Feet BTOC	Adjusted Elevation/ Feet AMSL	Thickness of Floating Product/ Feet
MW-1	5/3/2002	19.08	96.47	12.25	84.22	0.00
	6/10/2002	19.22	96.47	13.91	82.56	0.00
	7/12/2002	19.40	96.47	15.58	80.89	0.00
	8/17/2002	18.99	96.47	16.45	80.02	0.00
	9/11/2002	18.97	96.47	16.71	79.76	0.00
	10/11/2002	18.98	96.47	16.92	79.55	0.00
	11/15/2002	18.99	96.47	16.76	79.71	0.00
	12/16/2002	19.29	96.47	14.94	81.53	0.00
	1/12/2003	18.99	96.47	8.74	87.73	0.00
	2/14/2003	18.99	96.47	10.90	85.57	0.00
	3/17/2003	19.29	96.47	11.17	85.30	0.00
	4/12/2003	18.99	96.47	8.89	87.58	0.00
	7/14/2003	19.17	96.47	15.09	81.38	0.00
	10/21/2003	19.17	96.47	17.02	79.45	0.00
	1/16/2004	19.17	96.47	9.44	87.03	0.00
	4/23/2004	19.17	96.47	12.02	84.45	0.00
	7/31/2004	19.18	96.47	15.15	81.32	0.00
	10/30/2004	18.90	96.47	14.51	81.96	0.00
	1/23/2005	19.19	96.47	10.33	86.14	0.00
	4/30/2005	19.19	96.47	10.94	85.53	0.00
	7/26/2005	19.08	96.47	13.32	83.15	0.00
	10/31/2005	19.19	96.47	13.91	82.56	0.00
MW-2	5/3/2002	19.15	96.45	12.65	83.80	0.00
	6/10/2002	19.02	96.45	14.30	82.15	0.00
	7/12/2002	19.00	96.45	15.95	80.50	0.00
	8/17/2002	18.86	96.45	16.50	79.95	0.00
	9/11/2002	18.90	96.45	16.79	79.66	0.00
	10/11/2002	18.84	96.45	17.01	79.44	0.00
	11/15/2002	18.87	96.45	16.86	79.59	0.00
	12/16/2002	19.14	96.45	15.35	81.10	0.00
	1/12/2003	18.89	96.45	9.16	87.29	0.00
	2/14/2003	18.91	96.45	11.12	85.33	0.00
	3/17/2003	19.14	96.45	11.47	84.98	0.00
	4/12/2003	18.89	96.45	9.24	87.21	0.00
	7/14/2003	19.04	96.45	15.26	81.19	0.00
	10/21/2003	19.04	96.45	17.10	79.35	0.00
	1/16/2004	19.04	96.45	9.78	86.67	0.00
	4/23/2004	19.04	96.45	12.31	84.14	0.00
	7/31/2004	18.99	96.45	15.29	81.16	0.00
	10/30/2004	18.60	96.45	14.71	81.74	0.00
	1/23/2005	18.90	96.45	10.62	85.83	0.00
	4/30/2005	18.70	96.45	11.16	85.29	0.00
	7/26/2005	19.81	96.45	13.44	83.01	0.00
	10/31/2005	18.89	96.45	14.01	82.44	0.00

Table 3 (cont.)
Water Levels
 Glendale 76
 1497 Glendale Road
 Arcata, California 95521

Sample Location	Date	Depth to Bottom/ Feet BTOC	Survey Height/ Feet AMSL	Depth to Water/ Feet BTOC	Adjusted Elevation/ Feet AMSL	Thickness of Floating Product/ Feet
MW-3	5/3/2002	19.22	96.08	12.20	83.88	0.00
	6/10/2002	19.20	96.08	13.70	82.38	0.00
	7/12/2002	19.21	96.08	15.20	80.88	0.00
	8/17/2002	19.04	96.08	16.04	80.04	0.00
	9/11/2002	19.10	96.08	16.28	79.80	0.00
	10/11/2002	19.02	96.08	16.48	79.60	0.00
	11/15/2002	19.20	96.08	16.40	79.68	0.00
	12/16/2002	19.45	96.08	11.59	84.49	0.00
	1/12/2003	19.17	96.08	8.46	87.62	0.00
	2/14/2003	19.17	96.08	10.81	85.27	0.00
	3/17/2003	19.45	96.08	10.98	85.10	0.00
	4/12/2003	19.17	96.08	8.64	87.44	0.00
	7/14/2003	19.37	96.08	14.76	81.32	0.00
	10/21/2003	19.37	96.08	16.61	79.47	0.00
	1/16/2004	19.37	96.08	9.21	86.87	0.00
	4/23/2004	19.37	96.08	11.74	84.34	0.00
	7/31/2004	19.44	96.08	14.72	81.36	0.00
	10/30/2004	19.13	96.08	14.21	81.87	0.00
	1/23/2005	19.43	96.08	10.18	85.90	0.00
	4/30/2005	19.35	96.08	10.70	85.38	0.00
	7/26/2005	19.29	96.08	12.93	83.15	0.00
	10/31/2005	19.35	96.08	13.47	82.61	0.00
MW-4	5/3/2002	19.15	96.27	11.84	84.43	0.00
	6/10/2002	19.13	96.27	13.46	82.81	0.00
	7/12/2002	19.10	96.27	15.08	81.19	0.00
	8/17/2002	19.00	96.27	16.04	80.23	0.00
	9/11/2002	19.00	96.27	16.33	79.94	0.00
	10/11/2002	19.00	96.27	16.50	79.77	0.00
	11/15/2002	19.12	96.27	16.41	79.86	0.00
	12/16/2002	19.30	96.27	13.25	83.02	0.00
	1/12/2003	19.07	96.27	8.21	88.06	0.00
	2/14/2003	19.11	96.27	10.53	85.74	0.00
	3/17/2003	13.25	96.27	10.64	85.63	0.00
	4/12/2003	19.07	96.27	8.37	87.90	0.00
	7/14/2003	19.27	96.27	14.69	81.58	0.00
	10/21/2003	19.27	96.27	16.67	79.60	0.00
	1/16/2004	19.27	96.27	8.95	87.32	0.00
	4/23/2004	19.27	96.27	11.51	84.76	0.00
	7/31/2004	19.36	96.27	14.70	81.57	0.00
	10/30/2004	19.07	96.27	14.15	82.12	0.00
	1/23/2005	19.35	96.27	9.97	86.30	0.00
	4/30/2005	19.28	96.27	10.60	85.67	0.00
	7/26/2005	19.31	96.27	12.94	83.33	0.00
	10/31/2005	19.33	96.27	13.51	82.76	0.00

Notes:
 BTOC: Below Top of Casing
 AMSL: Above Mean Sea Level

Table 4
Groundwater Analytical Results from Monitoring Wells
 Glendale 76
 1497 Glendale Road
 Arcata, California 95521

Sample Location	Sample Event	Annual Quarter	Sample Date	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Xylenes (ppb)	Ethylbenzene (ppb)	MTBE (ppb)	DIPE (ppb)	TAME (ppb)	ETBE (ppb)	TBA (ppb)	TPHd (ppb)	TPHmo (ppb)
MW-1	Well Installation	Second Quarter	5/3/2002	8,605	2.9	ND < 0.3	ND < 0.6	ND < 0.3	3,270	ND < 0.5	559	ND < 0.5	ND < 100	NT	NT
	First Quarterly	Third Quarter	7/12/2002	345	0.9	ND < 0.3	ND < 0.6	ND < 0.3	257	ND < 0.5	53.4	ND < 0.5	ND < 100	NT	NT
	Second Quarterly	Fourth Quarter	10/11/2002	ND < 1,000	ND < 6.0	ND < 6.0	ND < 12.0	ND < 6.0	200	ND < 10	38.6	ND < 10	ND < 2,000	ND < 50	ND < 50
	Third Quarterly	First Quarter	1/12/2003	5,900	18	0.7	92	1.0	1,100	ND < 0.5	160	ND < 0.5	120	240	ND < 500
	Fourth Quarterly	Second Quarter	4/12/2003	420	8.7	ND < 0.5	10	0.9	1,000	ND < 0.5	130	ND < 0.5	130	ND < 50	ND < 500
	Fifth Quarterly	Third Quarter	7/14/2003	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	79	ND < 0.5	15	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Sixth Quarterly	Fourth Quarter	10/21/2003	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	20	ND < 0.5	4.0	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Seventh Quarterly	First Quarter	1/16/2004	190	3.6	ND < 0.5	12	1.4	450	ND < 0.5	71	ND < 0.5	21	ND < 50	ND < 500
	Eighth Quarterly	Second Quarter	4/23/2004	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	31	ND < 0.5	7.6	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Ninth Quarterly	Third Quarter	7/31/2004	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	19	ND < 0.5	3.9	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Tenth Quarterly	Fourth Quarter	10/30/2004	ND < 50	ND < 0.5	1.1	ND < 1.0	ND < 0.5	18	ND < 0.5	4.3	ND < 0.5	ND < 5.0	92	ND < 500
	Eleventh Quarterly	first Quarter	1/23/2005	359	2.7	ND < 2.5	ND < 5.0	ND < 2.5	315	ND < 2.5	55.6	ND < 25.0	ND < 250	110	58
	Twelve Quarterly	Second Quarter	4/30/2005	389	ND < 2.0	ND < 2.0	ND < 4.0	ND < 2.0	277	-----	-----	-----	-----	68	77
	Thirteenth Quarterly	Third Quarter	7/26/2005	ND < 60	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	37.9	-----	-----	-----	-----	ND < 50	146
	Fourteenth Quarterly	Fourth Quarter	10/31/2005	ND < 60	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	19.2	-----	-----	-----	-----	ND < 50	121
MW-2	Well Installation	Second Quarter	5/3/2002	1,860	28.8	0.9	1.4	0.6	1,060	ND < 0.5	204	ND < 0.5	ND < 100	NT	NT
	First Quarterly	Third Quarter	7/12/2002	684	10.5	ND < 0.3	3.8	ND < 0.3	422	ND < 0.5	100	ND < 0.5	ND < 100	NT	NT
	Second Quarterly	Fourth Quarter	10/11/2002	ND < 1,000	ND < 6.0	ND < 6.0	ND < 12.0	ND < 6.0	144	ND < 10	27.0	ND < 10	ND < 2,000	ND < 50	ND < 50
	Third Quarterly	First Quarter	1/12/2003	490	35	ND < 0.5	10.7	ND < 0.5	640	ND < 0.5	110	ND < 0.5	79	60	ND < 500
	Fourth Quarterly	Second Quarter	4/12/2003	180	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	240	ND < 0.5	49	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Fifth Quarterly	Third Quarter	7/14/2003	170	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	310	ND < 0.5	59	ND < 0.5	59	ND < 50	ND < 500
	Sixth Quarterly	Fourth Quarter	10/21/2003	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	16	ND < 0.5	3.0	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Seventh Quarterly	First Quarter	1/16/2004	120	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	160	ND < 0.5	30	ND < 0.5	18	ND < 50	ND < 500
	Eighth Quarterly	Second Quarter	4/23/2004	ND < 500	ND < 5.0	ND < 5.0	ND < 10.0	ND < 5.0	180	ND < 5.0	40	ND < 5.0	ND < 50	ND < 50	ND < 500
	Ninth Quarterly	Third Quarter	7/31/2004	73	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	86	ND < 0.5	19	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Tenth Quarterly	Fourth Quarter	10/30/2004	71	ND < 0.5	0.7	ND < 1.0	ND < 0.5	50	ND < 0.5	10	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Eleventh Quarterly	First Quarter	1/23/2005	122	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	102	ND < 0.5	24.2	ND < 5.0	ND < 50.0	ND < 50	81
	Twelve Quarterly	Second Quarter	4/30/2005	ND < 60	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	54.7	----	----	----	----	ND < 50	100
	Thirteenth Quarterly	Third Quarter	7/26/2005	78.7	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	68.5	----	----	----	----	58	168
	Fourteenth Quarterly	Fourth Quarter	10/31/2005	ND < 60	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	32.3	----	----	----	----	ND < 50	115

Table 4 (cont.)
Groundwater Analytical Results from Monitoring Wells
 Glendale 76
 1497 Glendale Road
 Arcata, California 95521

Sample Location	Sample Event	Annual Quarter	Sample Date	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Xylenes (ppb)	Ethylbenzene (ppb)	MTBE (ppb)	DIPE (ppb)	TAME (ppb)	ETBE (ppb)	TBA (ppb)	TPHd (ppb)	TPHmo (ppb)
MW-3	Well Installation	Second Quarter	5/3/2002	8,900	387	378	743	352	1,080	ND < 0.5	37.2	ND < 0.5	ND < 100	NT	NT
	First Quarterly	Third Quarter	7/12/2002	5,720	376	94.3	258	230	1,240	ND < 5.0	285	ND < 5.0	ND < 1,000	NT	NT
	Second Quarterly	Fourth Quarter	10/11/2002	ND < 5,000	318	ND < 30.0	ND < 60.0	ND < 30.0	1,270	ND < 100	369	ND < 100	ND < 10,000	381	ND < 50
	Third Quarterly	First Quarter	1/12/2003	1,100	19	62	48	18	38	ND < 0.5	8.8	ND < 0.5	ND < 5.0	110	ND < 500
	Fourth Quarterly	Second Quarter	4/12/2003	300	21	45	30.4	14	34	ND < 0.5	9.2	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Fifth Quarterly	Third Quarter	7/14/2003	2,000	170	11	44	58	330	ND < 5.0	97	ND < 5.0	ND < 50	210	ND < 500
	Sixth Quarterly	Fourth Quarter	10/21/2003	690	42	ND < 5.0	ND < 10.0	ND < 5.0	230	ND < 5.0	58	ND < 5.0	ND < 50	74	ND < 500
	Seventh Quarterly	First Quarter	1/16/2004	150	5.2	12	9.2	5.9	6.6	ND < 0.5	2.1	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Eighth Quarterly	Second Quarter	4/23/2004	ND < 50	0.5	ND < 0.5	0.7	0.7	1.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Ninth Quarterly	Third Quarter	7/31/2004	700	7.6	ND < 0.5	ND < 1.0	2.4	110	ND < 0.5	35	ND < 0.5	42	110	ND < 500
	Tenth Quarterly	Fourth Quarter	1/27/2005	1,000	14	9.8	14	8.8	23	ND < 0.5	6.9	ND < 0.5	ND < 5.0	130	ND < 500
	Eleventh Quarterly	First Quarter	1/23/2005	498	102	7.2	68.9	3.4	90.6	ND < 0.5	19.5	ND < 5.0	ND < 50.0	ND < 50	ND < 50
	Twelve Quarterly	Second Quarter	4/30/2005	7,030	14.6	635	1,890	306	21.0	----	----	----	----	ND < 50	52
	Thirteenth Quarterly	Third Quarter	7/26/2005	88.9	12.4	ND < 0.5	ND < 1.0	ND < 0.5	33.6	----	----	----	----	ND < 50	60
	Fourteenth Quarterly	Fourth Quarter	10/31/2005	247	1.3	ND < 0.5	ND < 1.0	ND < 0.5	52.0	----	----	----	----	ND < 50	73
MW-4	Well Installation	Second Quarter	5/3/2002	3,150	138	40	124	49.5	1,050	ND < 0.5	131	ND < 0.5	NT	NT	NT
	First Quarterly	Third Quarter	7/12/2002	2,850	256	17.5	181	167	1,820	ND < 0.5	241	ND < 0.5	ND < 100	NT	NT
	Second Quarterly	Fourth Quarter	10/11/2002	1,520	117	ND < 0.3	111	66.7	732	ND < 5.0	115	ND < 5.0	ND < 1,000	ND < 50	ND < 50
	Third Quarterly	First Quarter	1/12/2003	16,000	220	170	1,900	340	1,500	ND < 50	160	ND < 50	ND < 500	3,000	ND < 500
	Fourth Quarterly	Second Quarter	4/12/2003	ND < 1,000	210	180	1,320	430	1,100	ND < 50	130	ND < 50	ND < 500	3,800	ND < 500
	Fifth Quarterly	Third Quarter	7/14/2003	770	33	ND < 5.0	17	20	180	ND < 5.0	29	ND < 5.0	ND < 50	63	ND < 500
	Sixth Quarterly	Fourth Quarter	10/21/2003	970	80	ND < 5.0	7.8	21	540	ND < 5.0	85	ND < 5.0	ND < 50	260	ND < 500
	Seventh Quarterly	First Quarter	1/16/2004	4,200	90	29	710	220	550	ND < 5.0	73	ND < 5.0	420	ND < 50	ND < 500
	Eighth Quarterly	Second Quarter	4/23/2004	1,300	26	ND < 5.0	79	34	170	ND < 5.0	27	ND < 5.0	170	150	ND < 500
	Ninth Quarterly	Third Quarter	7/31/2004	78	2.9	ND < 0.5	ND < 1	1.1	12	ND < 0.5	1.9	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Tenth Quarterly	Fourth Quarter	10/30/2004	8,800	230	32	1,600	650	940	ND < 5.0	200	ND < 5.0	640	1,500	ND < 500
	Eleventh Quarterly	First Quarter	1/23/2005	872	24.2	2.3	109	57.0	312.0	ND < 1.2	30.6	ND < 12.5	198	585	52
	Twelve Quarterly	Second Quarter	4/30/2005	1,280	17.8	20.0	92.4	49.3	133	ND < 1.0	14.5	ND < 1.0	131	401	92
	Thirteenth Quarterly	Third Quarter	7/26/2005	391	4.4	ND < 0.5	5.2	3.1	49.6	ND < 0.5	6.1	ND < 0.5	ND < 50	347	71
	Fourteenth Quarterly	Fourth Quarter	10/31/2005	96.9	1.0	ND < 0.5	ND < 1.0	ND < 0.5	25.2	ND < 0.5	3.2	ND < 0.5	ND < 50	56	80

Notes:

TPHg: Total Petroleum Hydrocarbons as gasoline

MTBE: Methyl tertiary butyl ether

DIPE: Diisopropyl Ether

TAME: Tertiary amyl methyl ether

ETBE: Ethyl tertiary butyl ether

TBA: Tertiary butanol

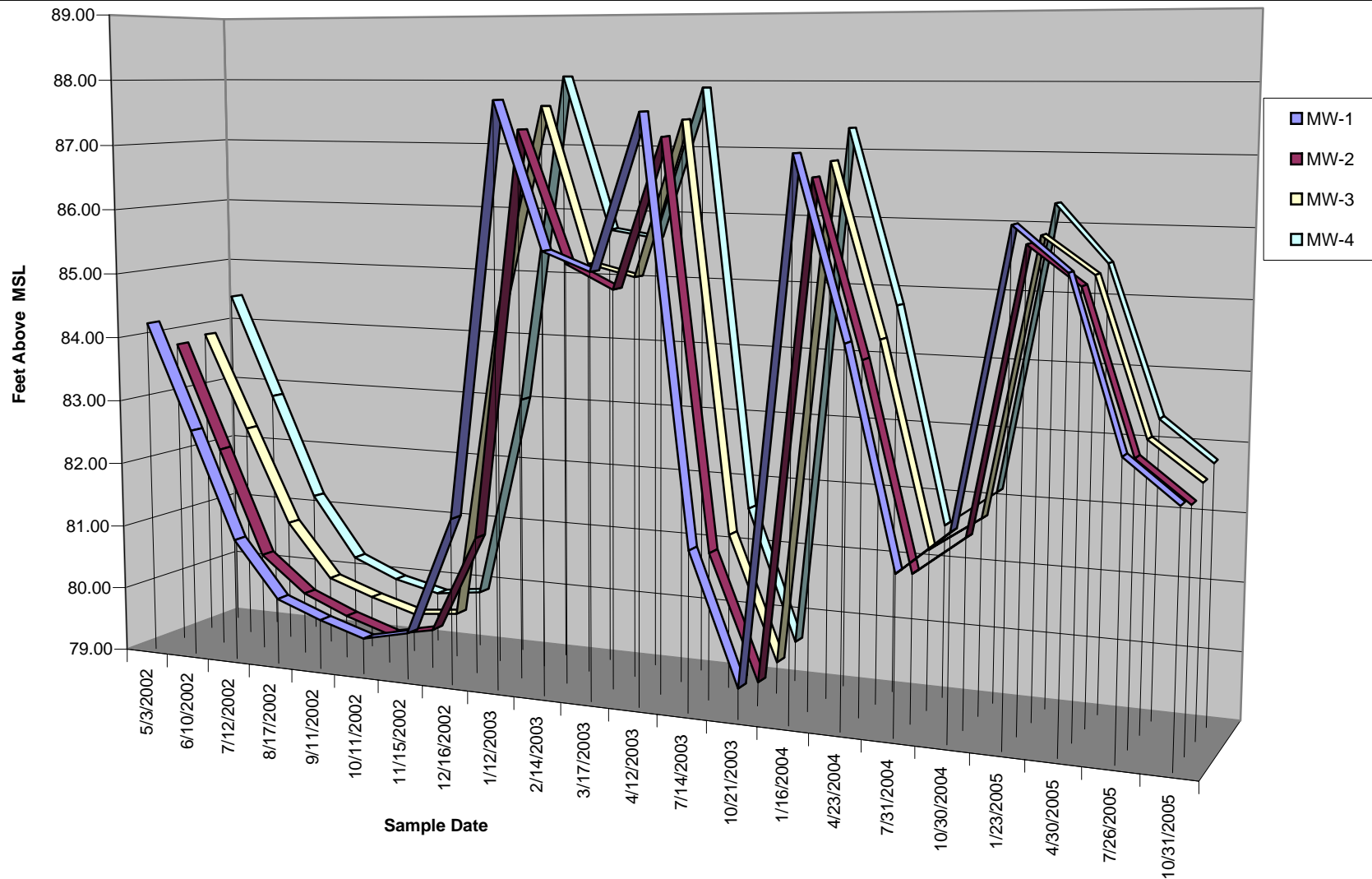
TPHd: Total Petroleum Hydrocarbons as diesel

TPHmo: Total petroleum hydrocarbons as motor oil

ppb: parts per billion = µg/l = .001 mg/l = 0.001 ppm

ND: Not detected. Sample was detected at or below the method detection limit as shown.

Chart 1
Hydrograph
Glendale 76
1497 Glendale Road
Arcata, California














Figures

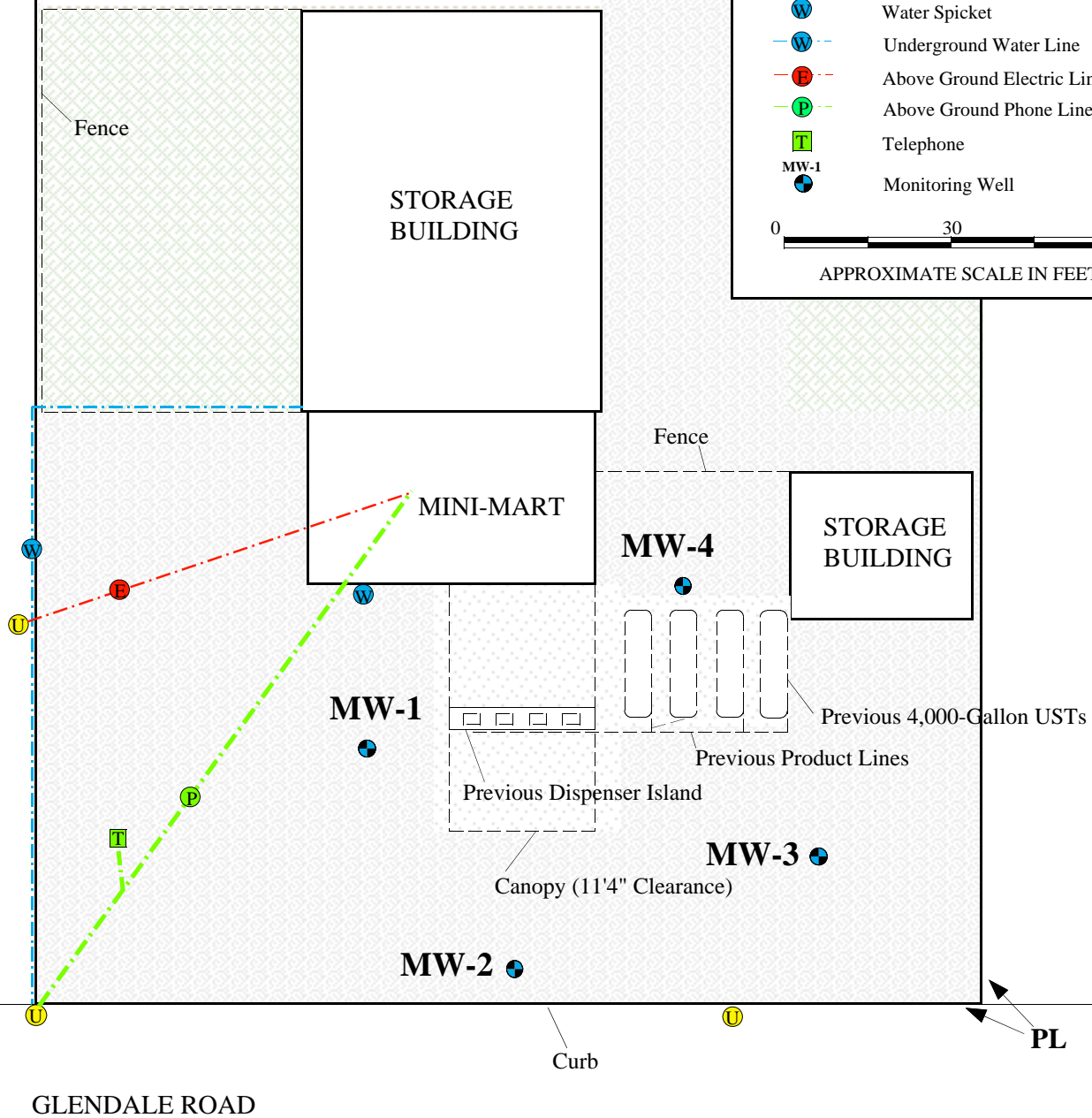


NORTH

LEGEND

-  Asphalt Surface
-  Cement Surface
-  Gravel/Dirt Surface
-  Vegetation
-  Above Ground Utility Pole
-  Water Spicket
-  Underground Water Line
-  Above Ground Electric Line
-  Above Ground Phone Line
-  Telephone
-  Monitoring Well

0 30 60
APPROXIMATE SCALE IN FEET



SITE PLAN

Figure

Glendale 76
1497 Glendale Road
Arcata, California 95521

Project No.
SP-150

Report Date
3/29/06

2

Environmental

Services

NORTH

LEGEND

SB-1 ⊕ Soil Boring (1/98)

B-1 ⊕ Soil Boring (4/02)

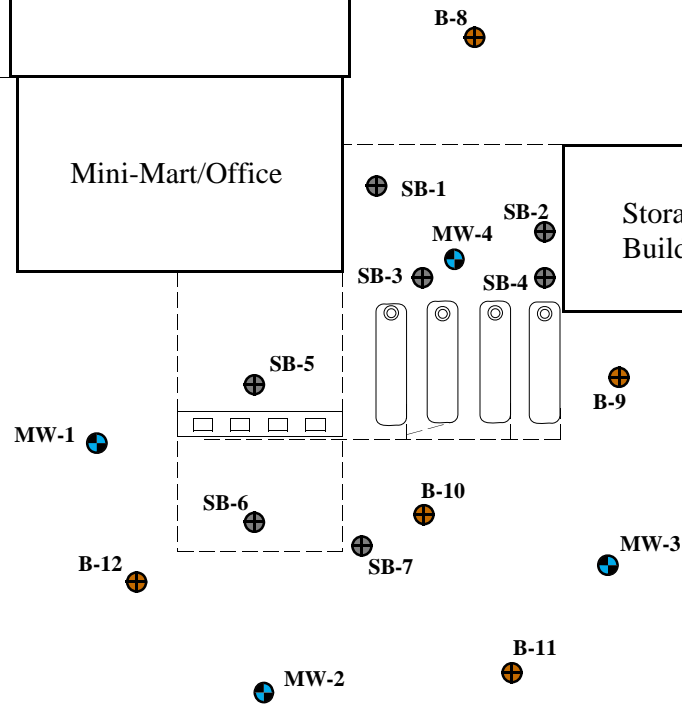
MW-1 ⊕ Monitoring Well

0 30 60
APPROXIMATE SCALE IN FEET

Storage Building

Mini-Mart/Office

Storage Building



Glendale Road

SAMPLE LOCATION MAP

Glendale 76
1497 Glendale Road
Arcata, California 95521

Project No.

SP-150

Report Date

3/29/06

Figure

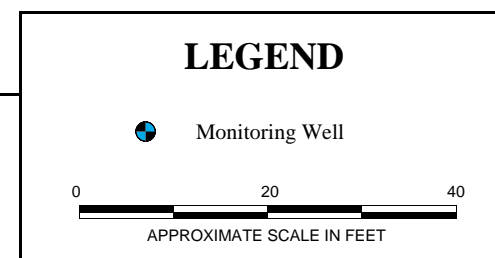
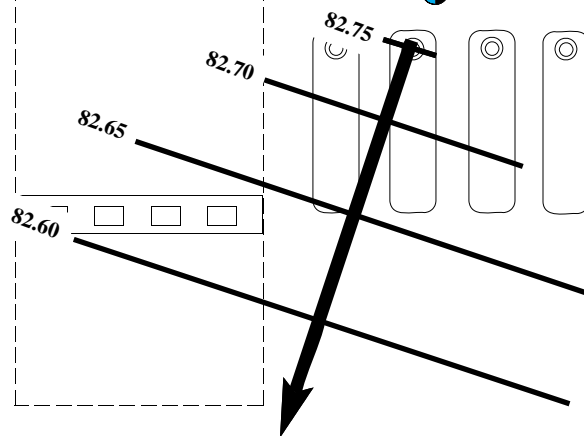
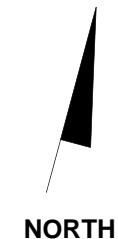
3

MW-1	
Casing Elevation:	96.47
Depth to Water:	13.91
Elevation above MSL:	82.56

MW-2	
Casing Elevation:	96.45
Depth to Water:	14.01
Elevation above MSL:	82.44

MW-4	
Casing Elevation:	96.27
Depth to Water:	13.51
Elevation above MSL:	82.76

MW-3	
Casing Elevation:	96.08
Depth to Water:	13.47
Elevation above MSL:	82.61



GW Flow Direction: S
GW Gradient: 0.004 ft/ft

GLENDALE ROAD

GROUNDWATER LEVEL CONTOUR MAP OCTOBER 2005

Figure



Glendale 76
 1497 Glendale Road
 Arcata, California 95521


Project No.
 SP-150

Report Date
 3/29/06

4

NORTH

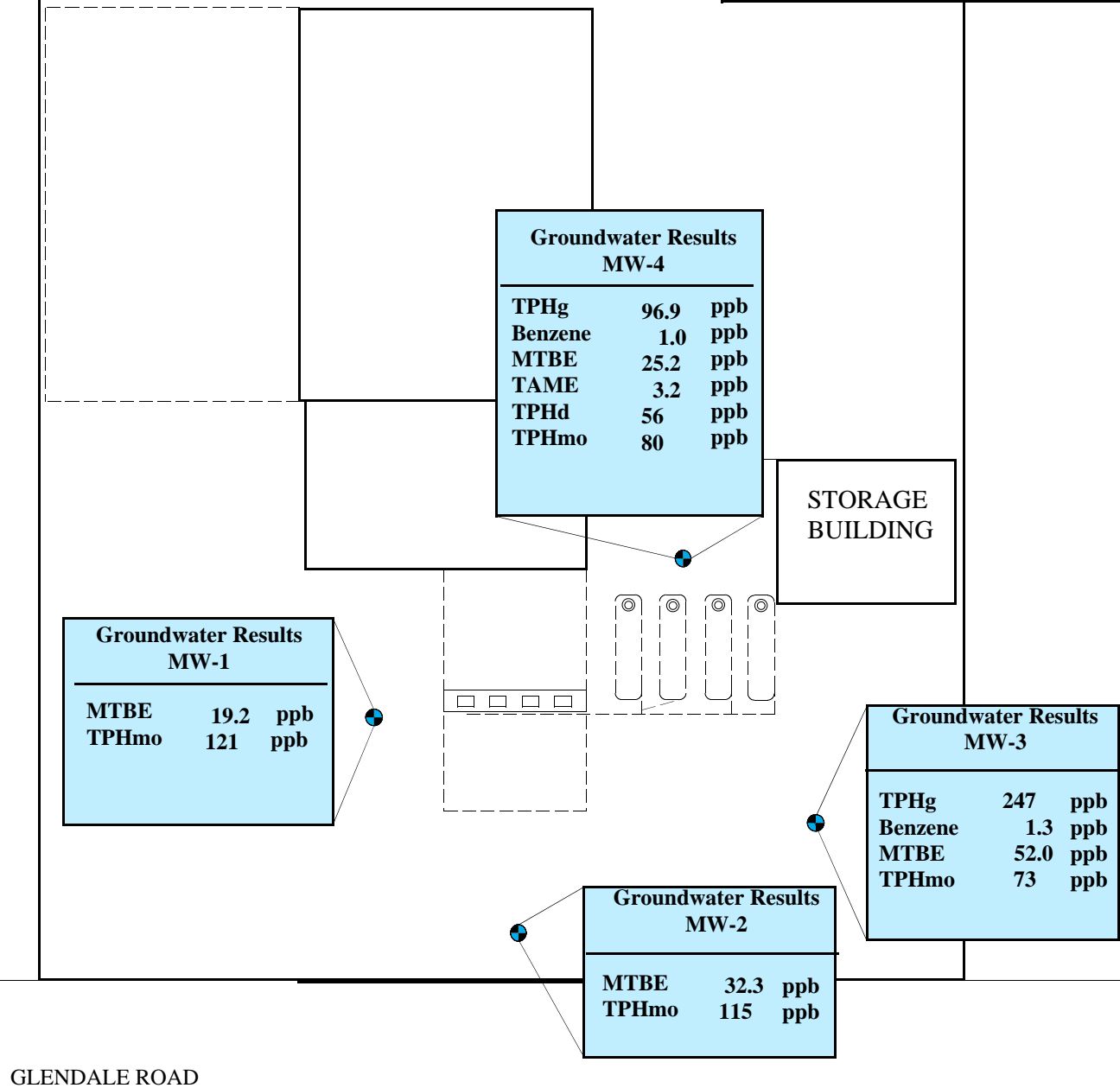
LEGEND

 Monitoring Well

Results not shown were detected below laboratory detection limits

0 30 60

APPROXIMATE SCALE IN FEET



GROUNDWATER ANALYTICAL RESULTS

Figure

Glendale 76
1497 Glendale Road
Arcata, California 95521

Project No.

Report Date

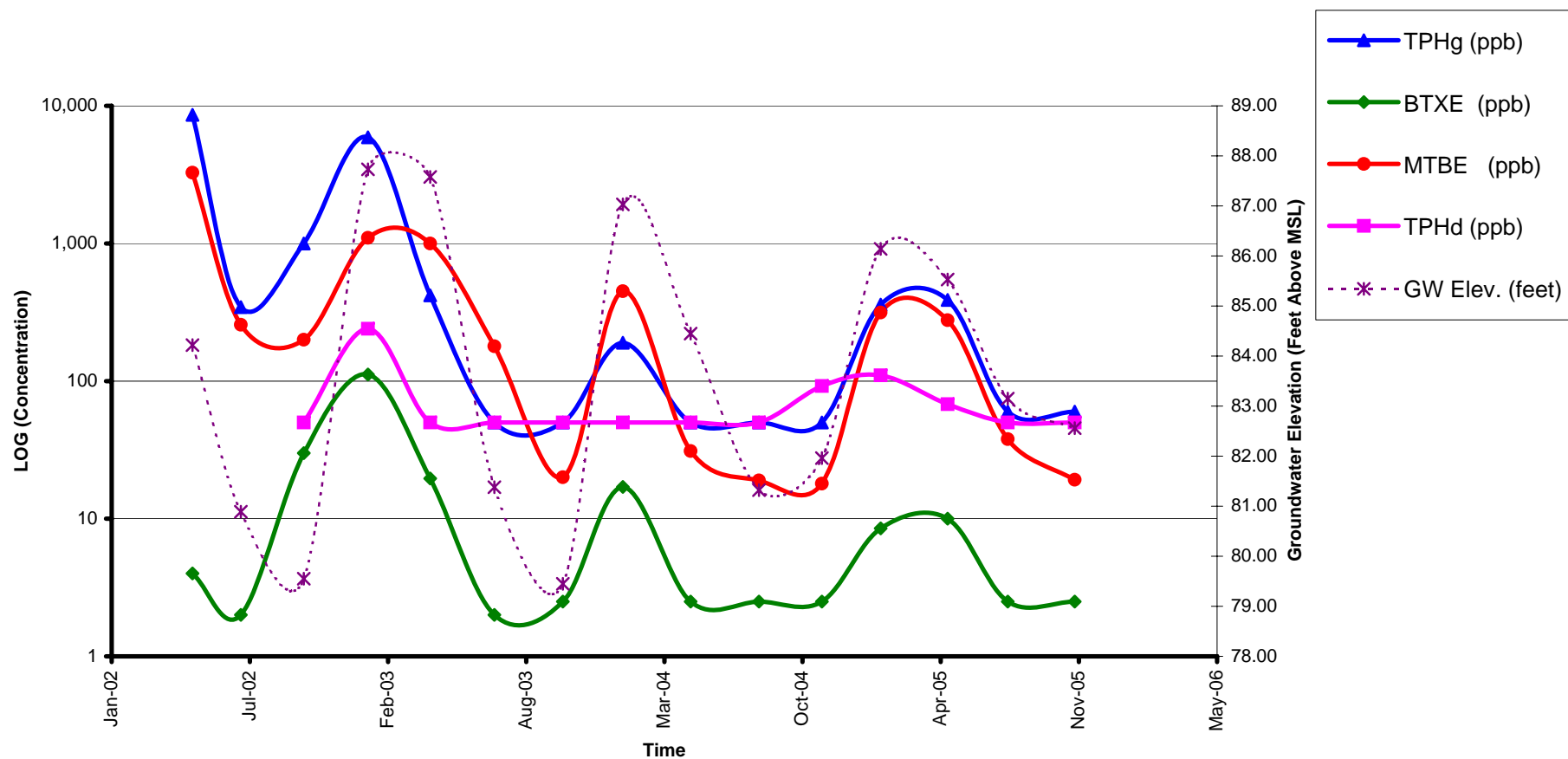
SP-150

3/29/06

5

Environmental

Services



MW-1 HYDROCARBON CONCENTRATIONS VS. TIME

Glendale 76
1497 Glendale Road
Arcata, California 95521

Project No.

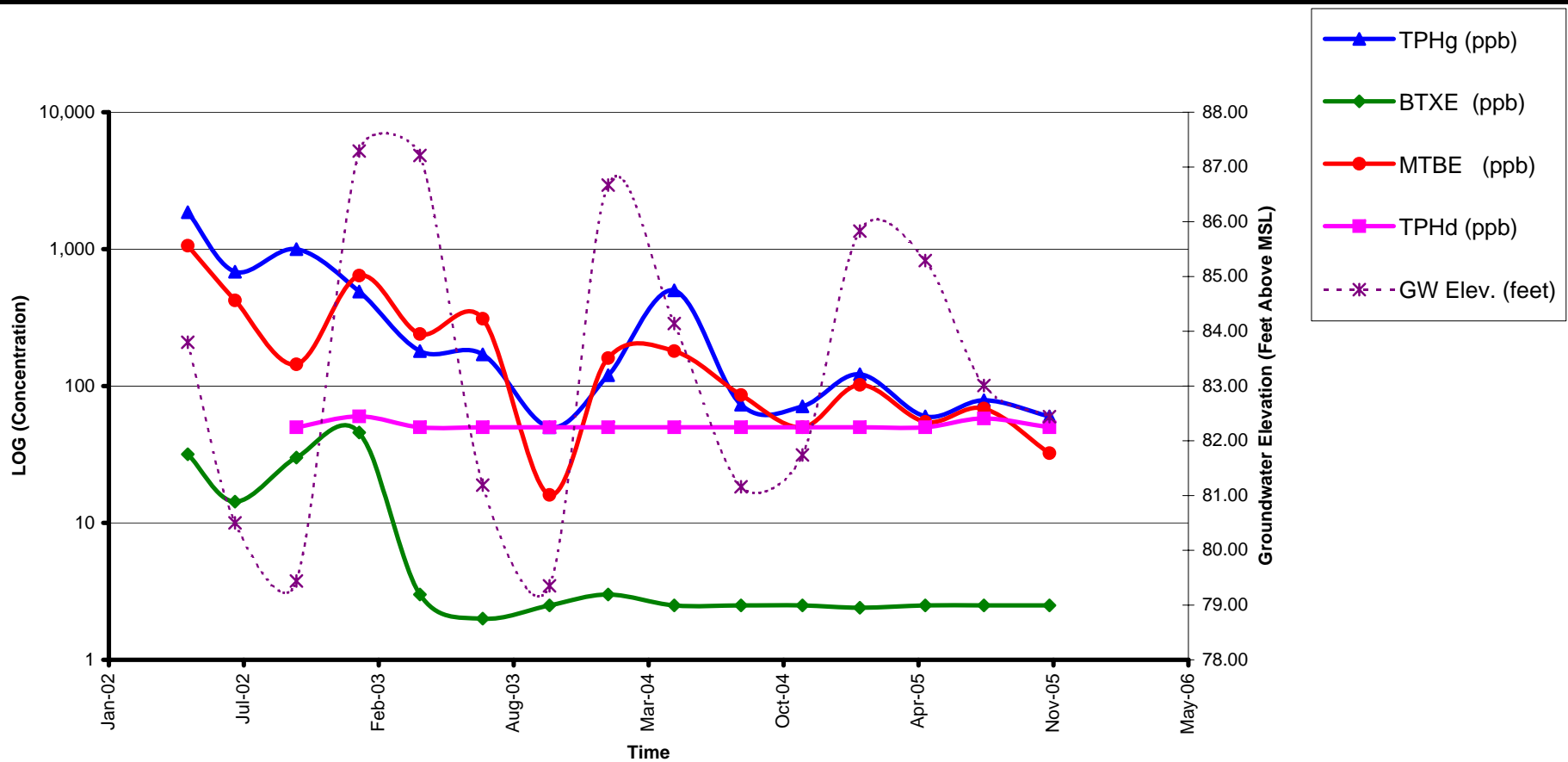
SP-150

Date

3/29/2006

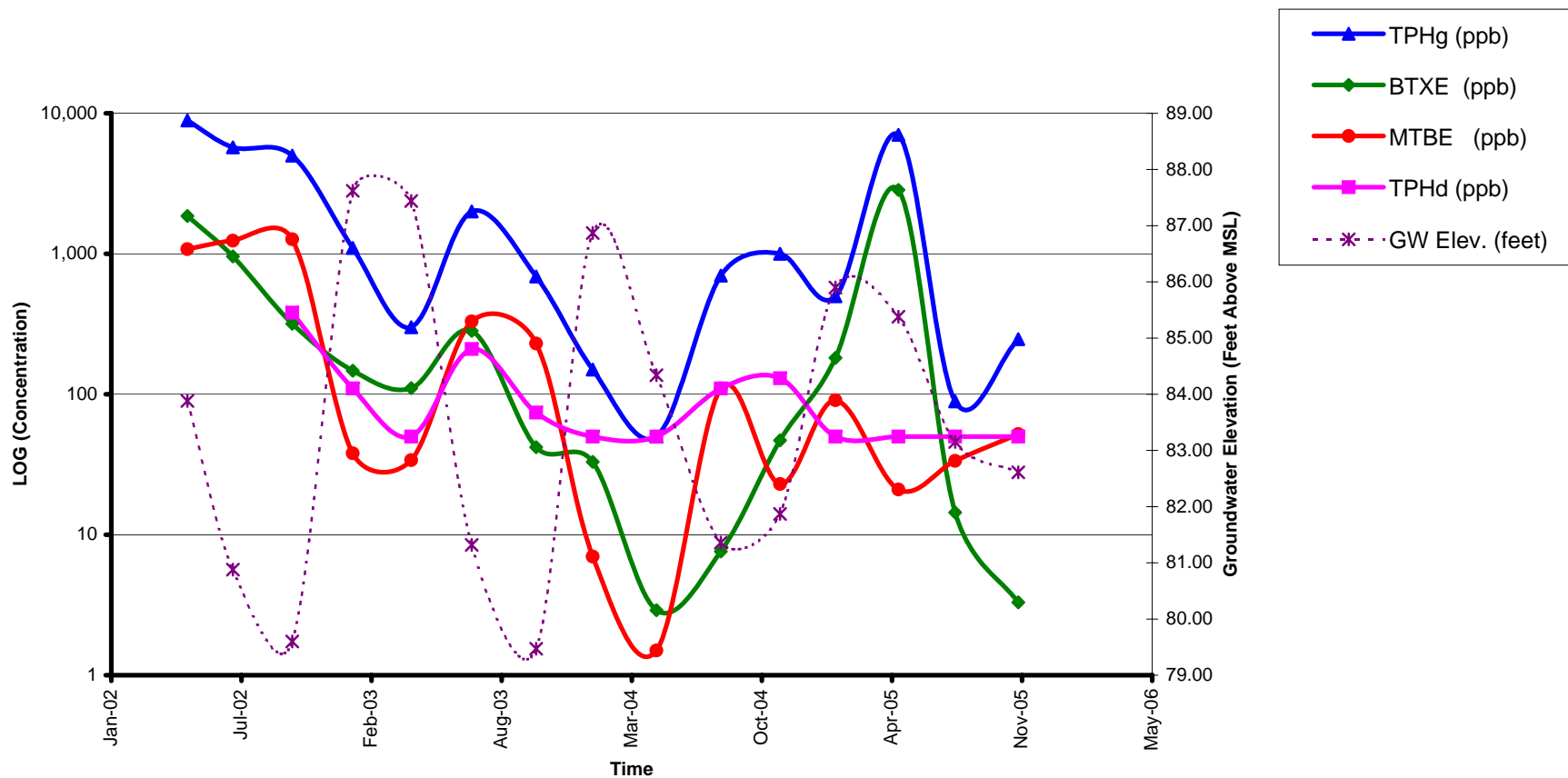
Figure

6



MW-2 HYDROCARBON CONCENTRATIONS VS. TIME		
Glendale 76 1497 Glendale Road Arcata, California 95521	Project No.	Date
	SP-150	3/29/2006

Figure
7



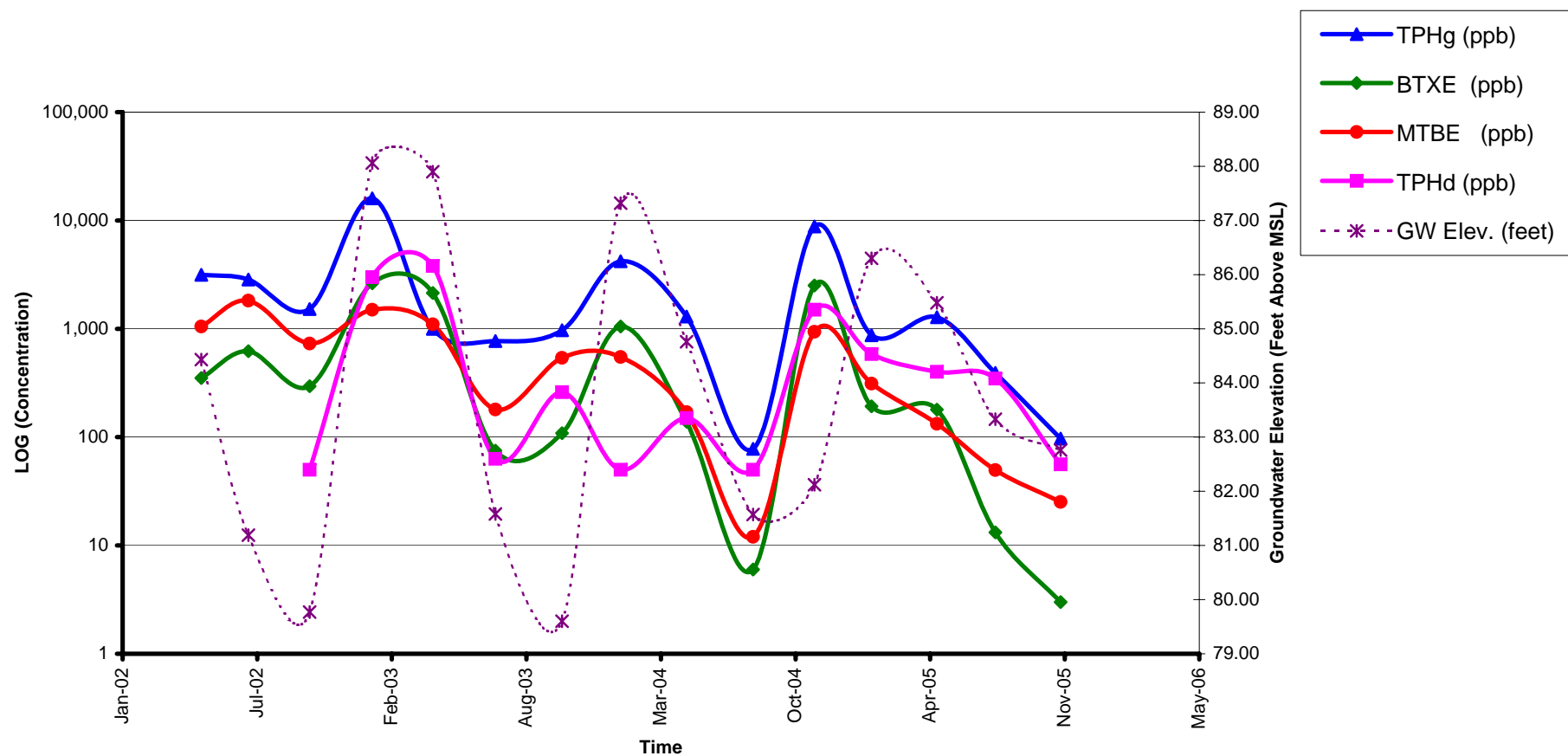
**MW-3 HYDROCARBON
CONCENTRATIONS VS. TIME**

Glendale 76
1497 Glendale Road
Arcata, California 95521

Project No.	Date
SP-150	3/29/2006

Figure

8



Appendices

Appendix A



www.basiclab.com

voice 530.243.7234 2218 Railroad Avenue
fax 530.243.7494 Redding, California 96001

November 29, 2005

Lab ID: 5110185

Elisa King
SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
RE: GLENDALE 76 SP-150

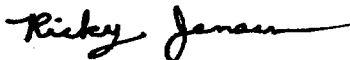
Dear Elisa King,

Enclosed are the analysis results for Work Order number 5110185. All analysis were performed under strict adherence to our established Quality Assurance Plan. Any abnormalities are listed in the qualifier section of this report.

If you have any questions regarding these results, please feel free to contact us at any time. We appreciate the opportunity to service your environmental testing needs.

Sincerely,


FOR



Ricky D. Jensen
Laboratory Director

California ELAP Certification Number 1677



www.basiclab.com

voice 530.243.7234 2218 Railroad Avenue
fax 530.243.7494 Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549

Attention: Elisa King

Project: GLENDALE 76 SP-150

Lab No: 5110185
Reported: 11/29/05
Phone: 707-269-0884
P.O. #

Volatile Organic Compounds

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
MW-1 Water (5110185-01) Sampled:10/31/05 00:00 Received:11/03/05 10:59									
Gasoline	ug/l	ND			60.0	EPA 8015/8260	11/07/05	11/07/05	B5K0174
Benzene	"	ND			0.5	"	"	"	"
Toluene	"	ND			0.5	"	"	"	"
Ethylbenzene	"	ND			0.5	"	"	"	"
Xylenes (total)	"	ND			1.0	"	"	"	"
Methyl tert-butyl ether	"	19.2			1.0	"	"	"	"
Surrogate: 4-Bromofluorobenzene		105 %		43-155		"	"	"	"
MW-2 Water (5110185-02) Sampled:10/31/05 00:00 Received:11/03/05 10:59									
Gasoline	ug/l	ND			60.0	EPA 8015/8260	11/07/05	11/07/05	B5K0174
Benzene	"	ND			0.5	"	"	"	"
Toluene	"	ND			0.5	"	"	"	"
Ethylbenzene	"	ND			0.5	"	"	"	"
Xylenes (total)	"	ND			1.0	"	"	"	"
Methyl tert-butyl ether	"	32.3			1.0	"	"	"	"
Surrogate: 4-Bromofluorobenzene		105 %		43-155		"	"	"	"
MW-3 Water (5110185-03) Sampled:10/31/05 00:00 Received:11/03/05 10:59									
Gasoline	ug/l	247			60.0	EPA 8015/8260	11/07/05	11/07/05	B5K0174
Benzene	"	1.3			0.5	"	"	"	"
Toluene	"	ND			0.5	"	"	"	"
Ethylbenzene	"	ND			0.5	"	"	"	"
Xylenes (total)	"	ND			1.0	"	"	"	"
Methyl tert-butyl ether	"	52.0			1.0	"	"	"	"
Surrogate: 4-Bromofluorobenzene		105 %		43-155		"	"	"	"
MW-4 Water (5110185-04) Sampled:10/31/05 00:00 Received:11/03/05 10:59									
Gasoline	ug/l	96.9			50.0	EPA 8015/8260	11/07/05	11/07/05	B5K0174
Benzene	"	1.0			0.5	"	"	"	"
Toluene	"	ND			0.5	"	"	"	"
Ethylbenzene	"	ND			0.5	"	"	"	"
Xylenes (total)	"	ND			1.0	"	"	"	"
Methyl tert-butyl ether	"	25.2			1.0	"	"	"	"
Di-isopropyl ether	"	ND			0.5	"	"	"	"
Tert-amyl methyl ether	"	3.2			0.5	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.5	"	"	"	"
Tert-butyl alcohol	"	ND			50.0	"	"	"	"
Surrogate: 4-Bromofluorobenzene		104 %		43-155		"	"	"	"



Approved By

Basic Laboratory, Inc.

California D.O.H.S. Cert #1677



www.basiclab.com

voice 530.243.7234 2218 Railroad Avenue
fax 530.243.7494 Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549

Attention: Elisa King

Project: GLENDALE 76 SP-150

Lab No: 5110185
Reported: 11/29/05
Phone: 707-269-0884
P.O. #

TPH Diesel & Motor Oil

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
MW-1 Water (5110185-01) Sampled:10/31/05 00:00 Received:11/03/05 10:59									
Diesel	ug/l	ND			50	EPA 8015 MOD	11/14/05	11/04/05	B5K0099
Motor Oil	"	121			50	"	"	"	"
Surrogate: Octacosane		125 %		50-150		"	"	"	"
MW-2 Water (5110185-02) Sampled:10/31/05 00:00 Received:11/03/05 10:59									
Diesel	ug/l	ND			50	EPA 8015 MOD	11/15/05	11/04/05	B5K0099
Motor Oil	"	115			50	"	"	"	"
Surrogate: Octacosane		123 %		50-150		"	"	"	"
MW-3 Water (5110185-03) Sampled:10/31/05 00:00 Received:11/03/05 10:59									
Diesel	ug/l	ND			50	EPA 8015 MOD	11/15/05	11/04/05	B5K0099
Motor Oil	"	73			50	"	"	"	"
Surrogate: Octacosane		126 %		50-150		"	"	"	"
MW-4 Water (5110185-04) Sampled:10/31/05 00:00 Received:11/03/05 10:59									
Diesel	ug/l	56	D-03		50	EPA 8015 MOD	11/15/05	11/04/05	B5K0099
Motor Oil	"	80			50	"	"	"	"
Surrogate: Octacosane		128 %		50-150		"	"	"	"

Notes and Definitions

D-03	The result for this hydrocarbon is elevated due to the presence of single analyte peak(s) in the quantitation range.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the detection limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
<	Less than reporting limit
≤	Less than or equal to reporting limit
>	Greater than reporting limit
≥	Greater than or equal to reporting limit
MDL	Method Detection Limit
RL/ML	Minimum Level of Quantitation
MCL/AL	Maximum Contaminant Level/Action Level
mg/kg	Results reported as wet weight
TTLC	Total Threshold Limit Concentration
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leachate Procedure


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Basic Laboratory, Inc.
California D.O.H.S. Cert #1677

Appendix B



Standard Operating Procedures

Groundwater Level Measurements and Free Phase Hydrocarbon Measurements

All SounPacific staff and contractors shall adopt the following procedures any time that groundwater elevations are determined for the purposes of establishing groundwater gradient and direction, and prior to any sampling event.

Wells are to be tested for free phase hydrocarbons (free product) before the first development or sampling of any new well, and in any well that has historically contained free product.

Equipment Checklist

- ☐ Combination water level / free phase hydrocarbon indicator probe (probe)
- ☐ Gauging Data / Purge Calculations Sheet
- ☐ Pencil or Pen/sharpie
- ☐ Disposable Gloves
- ☐ Distilled Water and or know water source on site that is clean
- ☐ Alconox (powder) or Liquinox (liquid) non-phosphate cleaners—do not use soap!
- ☐ Buckets or Tubs for decontamination station
- ☐ Tools necessary to access wells
- ☐ Site Safety Plan
- ☐ This Standard Operating Procedure
- ☐ Notify Job site business that you will be arriving to conduct work.

Procedure

1. Review Site Safety Plan and utilize personal protection appropriate for the contaminants that may be encountered.
2. Access and open all monitoring wells to be measured. Allow wells to equilibrate for approximately 15 minutes before taking any measurements.

3. Decontaminate probe with Alconox or Liquinox solution, and rinse with distilled water.
4. Determine the diameter of the well to be measured and indicate this on the Gauging Data / Purge Calculations Sheet.
5. Words of caution: Please be careful with water level and product meters probes are not attached with high strength material so please make sure to avoid catching the end on anything in the well and make sure not to wind reel to the point that it could pull on the probe. ***If product is suspect in a well, go to step 6, if no product is suspected go to step 7 below.***
6. **When product is present or suspected:** use the product level meter. Clip the static charge clamp to the side of the well casing. Then lower probe into the well through the product/water interface about one foot if possible. Then slowly raise the probe back up through the product/water interface layer and record the level as the tone changes from solid to broken-record this level in the Gauging Data / Purge Calculations Sheet to the nearest 0.01 foot (DTP). Continue to raise the probe up through the product until the tone stops completely-record this level on the Gauging Data / Purge Calculations Sheet to the nearest 0.01 foot (DTW). Then go to step 8.
7. **When no product is present or suspected:** If no free product is present, record the depth of the water (to the nearest 0.01 foot) relative to the painted black mark on the top of the well casing. Leave the probe in the well just a hair above the water level to ensure the well as equilibrated. As the well rises, the tone will sound. Make sure no increase in water levels have occurred in over a ten-minute period. Water levels can lower as well as rise. Make sure you note when the level you keep lowering the probe to has remained stable for at least ten minutes. Once this has been accomplished, please record this level in the Gauging Data / Purge Calculations Sheet to the nearest 0.01 foot (DTW).
8. Turn off the probe, and use the probe to determine the depth to the bottom of the well relative to the top of the well casing. This is the depth to bottom measurement (DTB).
9. Decontaminate probe and tape by washing in an Alconox/Liquinox solution (***read directions on solution for ratio of water to cleanser***) and use the toothbrush provided to remove any foreign substance from the probe and tape. Then triple rinse probe and tape with clean water and then proceed to take measurements in the next well.
10. If sampling is to occur, proceed to implement SounPacific's Standard Operating Procedure for Monitoring Well Purging and Sampling. If no sampling is to be performed, close and secure all wells and caps.



Standard Operating Procedures

Monitoring Well Purging and Groundwater Sampling

All SounPacific employees and contractors shall adopt the following procedures any time that groundwater samples are to be taken from an existing groundwater monitoring well.

Prior to the implementation of these procedures, the groundwater level **MUST** be measured and the presence of free phase hydrocarbons determined in accordance with SounPacific's Standard Operating Procedures for Groundwater Level Measurements and Free Phase Hydrocarbon Measurements.

Equipment Checklist

- ☐ Gauging Data / Purge Calculations Sheet used for water level determination
- ☐ Chain of Custody Form
- ☐ pH/ Conductivity / Temperature meter
- ☐ Pencil or Pen
- ☐ Indelible Marker
- ☐ Calculator
- ☐ Disposable Gloves
- ☐ Distilled Water
- ☐ Alconox/liquinox liquid or powdered non-phosphate cleaner
- ☐ Buckets or Tubs for decontamination station
- ☐ Bottom-filling bailer or pumping device for purging
- ☐ Disposable bottom-filling bailer and emptying device for sampling
- ☐ String, twine or fishing line for bailers
- ☐ Sample containers appropriate for intended analytical method (check with lab)
- ☐ Sample labels
- ☐ Site Safety Plan
- ☐ Tools necessary to access wells
- ☐ Drum space on site adequate for sampling event

Procedure

1. Review Site Safety Plan and utilize personal protection appropriate for the contaminants that may be encountered.
2. Measure groundwater levels and check for the presence of free product in accordance with the Standard Operating Procedures for Groundwater Level Measurements and Free Phase Hydrocarbon Measurements.

Purging

3. Calculate and record the volume of standing water in each well using the information provided on the Gauging Data / Purge Calculations sheet.
 $(DTB-DTW) \times \text{Conversion Factor} = \text{Casing Volume}.$
4. The purge volume shall be at least three times and no more than seven times the volume of standing water (the casing volume).
5. Purge the well by bailing or pumping water from the well into a calibrated receptacle, such as a five gallon bucket or tub with markings to indicate one gallon increments. Collect purgeate in a 55 gallon labeled drum and store on site. Drum labels should include the date, contents, site number, and SounPacific's name and telephone number.
6. Take measurements of pH, conductivity, temperature, and visual observations to verify the stabilization of these parameters. At least five measurements of these parameters should be made throughout the purging process. The parameters shall be considered stabilized if successive measurements vary by less than 0.25 pH units, 10% of conductivity in μS , and 1°C (or 1.8°F). Continue purging until at least three times the casing volume has been removed, and the measured parameters have stabilized as indicated above. Do not exceed seven casing volumes.
7. Take a final depth to groundwater measurement and calculate the casing volume of the recharged well. Ideally, the casing volume should have recharged to at least 80% of the original measured casing volume before sampling commences. If due to slow recharge rates it is not feasible to wait for the well to fully recharge, then note this on the Gauging Data / Purge Calculation Sheet and proceed to sample following the procedure below.

Sampling

8. **After completing groundwater measurement, and checking for free product if necessary, in accordance with SounPacific's Standard Operating Procedures for Groundwater Level Measurements and Free Phase Hydrocarbon Measurements, and after purging monitoring wells as described above, groundwater samples may be collected.**
9. Slowly lower a clean, previously unused disposable bailer into the well water approximately half of the bailer length, and allow the bailer to slowly fill.
10. Withdraw the full bailer from the monitoring well and utilize the included (clean and unused) bottom-emptying device to fill the necessary sample containers, and seal the container with the included PTFE (Teflon) lined cap.
11. When filling VOAs, fill the VOA completely full, with the meniscus rising above the rim of the bottle. Carefully cap the VOA and invert it and gently tap it to determine whether air bubbles are trapped inside. If the VOA contains air bubbles, refill the VOA and repeat this step.
12. All samples shall be labeled with the Sample ID, the Sample Date, and the Sample Location or Project Number. Use an indelible marker for writing on sample labels.
13. Record all pertinent sample data on the Chain of Custody.
14. Place samples in an ice chest cooled to 4°C with ice or "blue ice". Bottles should be wrapped in bubble wrap, and VOA's should be inserted in a foam VOA holder to protect against breakage. Samples are to be kept at 4°C until delivered to the laboratory. Any transference of sample custody shall be indicated on the Chain of Custody with the appropriate signatures as necessary.
15. Utilize clean, previously unused gloves, bailer and line, and bottom-emptying device for each well sampled.
16. When finished with all sampling, close and secure all monitoring wells.
17. Leave the site cleaner than when you arrived and drive safely.

Appendix C

GAUGING DATA/PURGE CALCULATIONS

Job Site: Glendale 76Job No.: SP-15DEvent: 14th Quarterly SamplingDate: 10-31-05

SounPacific
Environmental Services
(707) 269-0884

WELL NO.	DIA. (in.)	DTB (ft.)	DTW (ft.)	ST (ft.)	CV (gal.)	PV (gal.)	SPL (ft.)	Bailer Loads	Notes
MW-1	2	19.19	13.91	5.28	0.85	2.55			Creaky, Turbid Sample.
MW-2	2	18.87	14.01	4.88	0.8	2.4			Turbid, yellowish, Color Sample.
MW-3	2	19.35	13.47	5.88	0.95	2.85			Strong P.H.C Odor, brownish color
MW-4	2	17.33	13.51	5.82	0.95	2.85			Mild P.H.C Odor, light turbidity

Explanation:

DIA. = Well Diameter

DTB = Depth to Bottom

DTW = Depth to Water

ST = Saturated Thickness (DTB-DTW)

CV = Casing Volume (ST x cf)

PV = Purge Volume (standard 3 x CV,
well development 10 x CV)

SPL = Thickness of Separate Phase Liquid

Conversion Factors (cf):

2 in. dia. well cf = 0.16 gal./ft.

4 in. dia. well cf = 0.65 gal./ft.

6 in. dia. well cf = 1.44 gal./ft.

Sampler:

Tien-yu Tai

FILE

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Well Gauging/Sampling Report

Sheet 1 of 4

Date: 10-31-05 Project Name: Glenhale 76 Project No: SP-150 Well Number: MW-1

Analyses Tested: TPHg, BTXE, MTBE, TPHd, TPHnd

Sample Containers: 3 HLL VOAs (40mL), 2 1-L Amber Glass Bottles

Purge Technique: ☐ Bailor ☒ Pump

Sounder Used: ☐ Water Meter ☒ Interface Meter

Water & Free Product Levels

Time	Depth to Water	Depth to Product	Notes
10:41am	13.91 ft		No Sheen
11:01	13.91		" "
End			

Field Measurements

Time	Total Vol. Removed (gal)	pH	Temp (F)	Cond. (mc/cm)	DO (mg/L)	DO (%)	
12:16pm	0	6.01	62.71	0.160	1.53	15.9	
12:22	0.85	5.82	61.64	0.155	1.05	10.8	
12:27	1.7	5.94	62.05	0.152	1.01	10.4	
12:32	2.55	5.93	62.24	0.153	0.93	9.6	

Field Scientist: Tien-yu Tai



Well Gauging/Sampling Report

Sheet 2 of 4

Date: 10-31-05 Project Name: Glendale 76 Project No: P-150 Well Number: MW-2

Analyses Tested: TPHg, BTXE, MTBE, TPAH, TPAHnd

Sample Containers: 3 HLE VOA (40 mL), 2 HL Amber Glass Bottles

Purge Technique: ☐ Bailor ☒ Pump

Sounder Used: ☐ Water Meter ☒ Interface Meter

Water & Free Product Levels			
Time	Depth to Water	Depth to Product	Notes
10:46 AM	14.01 ft		No Sheen
11:05	14.01		
End			

Field Measurements						
Time	Total Vol. Removed (gal)	pH	Temp (F)	Cond. (ms/cm)	DO (mg/L)	DO (%)
11:47 AM	0	6.84	64.37	0.144	2.72	81.5
11:55	0.8	6.48	64.19	0.146	4.91	51.7
11:59	1.6	6.31	64.02	0.144	3.52	37.0
12:03 PM	2.4	5.98	63.65	0.145	2.32	24.3

Field Scientist: Tien-yu Taw

Well Gauging/Sampling Report

Sheet 3 of 4

Date: 10-31-05 Project Name: Glendale 76 Project No: SP-150 Well Number: MW-3

Analysts Tested: TPH, BTXE, MTBE, TPH, TPHmd

Sample Containers: 3 x 1L VOAs (40ml), 2 1-L Amber Glass Bottles

Purge Technique: ☐ Bailor ☒ Pump

Sounder Used: ☐ Water Meter ☒ Interface Meter

Water & Free Product Levels

Time	Depth to Water	Depth to Product	Notes
10:47am	13.46 ft		No Sheen
11:10am	13.47 ft		
End			

Field Measurements

Time	Total Vol. Removed (gal)	pH	Temp (F)	Cond. (ms/cm)	DO (mg/L)	DO (%)	
1:20pm	0	6.32	62.59	0.111	0.081	8.3	
1:29	0.95	5.88	61.93	0.063	0.66	6.8	
1:34	1.9	5.72	62.28	0.083	0.67	6.9	
1:38	2.85	6.46	62.24	0.083	0.70	7.2	

Field Scientist:

Tien-yu Tai

Well Gauging/Sampling Report

Sheet 4 of 4

Date: 10-31-05 Project Name: Glandale 76 Project No: SP-150 Well Number: MW-4

Analyses Tested: TPHg, BTXE, 5-Oxys, TPHd, TPHmd

Sample Containers: 3 HIL VOAs (40ml), 2 H Amber Glass Bottles

Purge Technique: ☐ Bailor ☒ Pump
Sounding Used: ☐ Water Meter ☒ Interface Meter

Water & Free Product Levels

Time	Depth to Water	Depth to Product	Notes
10:50am	13.51		No Sheers
11:16	13.51		
End			

Field Measurements

Time	Total Vol. Removed (gal)	pH	Temp (F)	Cond. (mc/cm)	DO (mg/L)	DO (%)	
12:48pm	0	6.32	60.57	0.147	0.92	9.3	
12:56	0.95	6.23	61.09	0.137	0.70	7.2	
1:01	1.9	6.31	61.04	0.133	0.73	7.4	
1:05	2.85	6.35	61.24	0.136	0.75	7.7	

Field Scientist:

Tien-yu Tai